

SUBSTITUTE SPECIFICATION

INNOVATIVE MINUS POWER LENS AND PROCESSING METHODS THEREOF



SPECIFICATION

Substitute spec
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SJB

FIELD OF THE INVENTION

My present invention relates to a myopic correcting
5 lens for medium-to-strong to particularly strong prescriptions.
In particular, the invention relates to a finished or
semi-finished lens and the processing methods thereof. "Finished
lens" means a lens with both surfaces finished, whereas
"semi-finished" lens means a lens with one surface finished.

BACKGROUND OF THE INVENTION

10 New high index mineral or plastic materials are
continuously being developed. Finished lenses, though premium
cosmetics, are industrially produced to cater only to medium to
low correction. People with high myopia require strong
15 correcting lenses with a short radius of curvature and thick
edges, which are difficult or impossible to fit in some eyeglass
frames, thus restricting the selection of frames for nearsighted
people. In addition, heavy eyeglasses are less comfortable and
attractive. Appearance is further penalized by the "coke bottle"
20 effect which is visible at the periphery of the eyeglasses. The
effect is due to the reflections of the edging that the finished
and fit lens causes to converge within, depending on the edge
thickness.